

Applicant : Gupta et al.
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Amendments to the Drawings:

The attached replacement sheets of drawings includes changes to FIGS. 1-4 and replaces the original sheet including FIGS. 1-4.

In FIGS 1-4, the legend "Prior Art" has been added.

Attachments following last page of this Amendment:

Replacement Sheets (4 pages)

REMARKS

In reply to the Office Action of November 7, 2005, Applicant submits the following remarks. Claims 1-13, 17, 19 and 24 have been amended. Claim 18 is cancelled. Claim 26 is new. Applicant respectfully requests reconsideration in view of the foregoing amendments and these remarks.

Objections to the Drawings

The applicant submits amended FIGS. 1-4 with this response. The legend "Prior Art" has been added to each of FIGS. 1-4. The applicant believes this addresses the Examiner's objection.

Section 102 Rejections

Claims 1-12 were rejected under 35 U.S.C. § 102(b) as being anticipated by WO 01/39272 ("Duineveld"). The applicant respectfully traverses in light of the amendments to claim 1.

Amended claim 1 is directed to an organic light emitting diode (OLED) device with at least one pixel, comprising a lower electrode layer with a photo-resist layer fabricated upon the lower electrode layer. The photo-resist layer is patterned into a plurality of mushroom banks to define a pocket. The mushroom banks have a lower portion and an upper portion, where the lower portion is closer to the lower electrode layer than the upper portion and at least part of the upper portion is wider than at least part of the lower portion. The pocket completely surrounds the pixel so that the pixel is surrounded by the mushroom banks on all sides.

Duineveld describes a few examples of organic electroluminescent devices. In one example, an EL device 1 has a relief pattern 7 in strips that define rows of EL layers 5R, 5G, 5B (FIG. 1, page 13, lines 5-24). FIG. 1 is reproduced below for convenience.

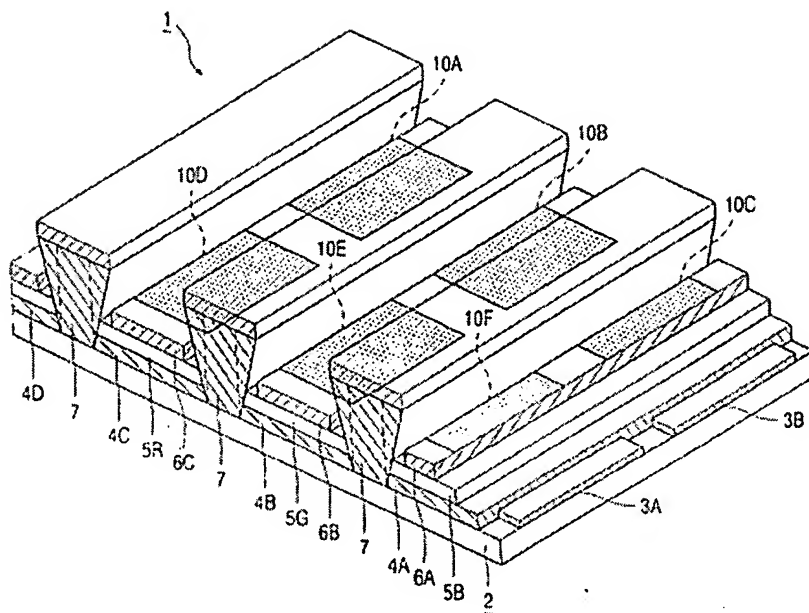


FIG. 1

In another example, Duineveld describes an EL device 21 with a relief pattern 28 that extends along and between pixels 31A, 31B, 31C (FIG. 2, page 13, line 26-page 14, line 26). The relief pattern 28 has portions that extend between electrodes 23A, 23B, 23C, so that the relief pattern 28 is partially over edges of adjacent electrodes. The relief pattern 28 also has portions that extend perpendicular to the portions that are between the electrodes 23A, 23B, 23C, and are entirely over the electrodes. These portions together form pixels 31A, 31B, etc. The portions that extend over the electrodes 23A, 23B, 23C, are narrower at the top than at the bottom. FIG. 2 is reproduced below for convenience.



Duineveld fails to suggest or disclose a photo-resist layer patterned into a plurality of mushroom banks to define a pocket that completely surrounds a pixel so that the pixel is surrounded by the mushroom banks on all sides, as required by claim 1. In the first one of Duineveld's examples, a relief pattern 7 does not form pockets that completely surround pixels. In the second of Duineveld's examples, the device does not have a pixel that is surrounded by mushroom banks on all sides. Duineveld's relief pattern 28 has apertures around where the pixels 31A, 31B, 31C are located, but at least the portions of the relief pattern 28 that overlie the electrodes 23A, 23B, 23C are not mushroom shaped. For at least this reason, the applicant submits that Duineveld does not anticipate claim 1 as amended. Claims 2-12 depend from claim 1 and are similarly not anticipated by Duineveld.

Claims 1-6 and 9-12 were rejected under 35 U.S.C. § 102(b) as begin anticipated by U.S. Publication No. 2001/0041270 ("Maruyama"). The applicant respectfully traverses in light of amended claim 1.

Maruyama describes a passive matrix light-emitting device, which has barriers 13 between which polymer films are formed (FIGS. 4A and 4B, col. 4, lines 7-40). Maruyama also describes an active matrix light-emitting device with luminescent layer 26, 27 and 28 formed on an insulating film 24 (FIGS. 5A, 5B and 5C, col. 4, lines 46-61).

Maruyama fails to teach or suggest that the barriers 13 or the insulating film 24 define a pocket that completely surrounds a pixel. For at least this reason, the applicant submits that Maruyama does not anticipate claim 1 as amended. Claims 2-12 depend from claim 1 and are similarly not anticipated by Maruyama.

Withdrawal of the anticipation rejections is respectfully requested.

Withdrawn Claims

Claim 13 has been amended to include all of the limitations of claim 1. Claim 13 is currently the only pending independent method claim and is withdrawn. The applicant respectfully requests that upon allowance of the device claims, the withdrawn method claims be considered for rejoinder (MPEP §821.04(b)).

Please apply the two-month extension of time fee in the amount of \$450.00 and any other required charges or credits to deposit account 06-1050.

Date:

April 6, 2006

Respectfully submitted,


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